



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/010,870	12/07/2001	Hendrik Klaas Kuiper	K0001/7000P1	7378

22832 7590 05/03/2004

KIRKPATRICK & LOCKHART LLP  
75 STATE STREET  
BOSTON, MA 02109-1808

EXAMINER
----------

TRETTEL, MICHAEL

ART UNIT	PAPER NUMBER
----------	--------------

3673

DATE MAILED: 05/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/010,870

Applicant(s)

KUIPER ET AL.

Examiner

Michael Trettel

Art Unit

3673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 March 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-8, 13-19, 22-26 and 28 is/are rejected.
- 7) ☒ Claim(s) 5, 9-12 and 27 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>5</u> .   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 to 4, 6, 8, 13, 22, 26, and 28 are rejected under 35 U.S.C. 102(b) as being anticipated by Shaw (6,154,900). Shaw shows a patient turning device 10 that is of particular interest. The device includes a pair of inflatable turning bladders 14 each of which are received within and held by a pair of sleeves 12. The sleeves can act as a means for attaching hook and loop fastener strips to the bladders, such that the bladders can be attached to a body supporting pad 32. The bladders and sleeves are attached to an underside of the pad 32 such that the pad directly supports a user of the device, with the bladders being alternately inflated and deflated to rock the user back and forth. A pair of side bolsters 50 can be used in combination with the device to prevent slipping of the user off a side of the device while undergoing a rocking motion. The bolsters can be made of foam or alternately can be inflatable (column 6, line 54) and are retained within a sleeve 58 formed as part of a retainer 54. A pair of the retainers are overlapped and placed underneath the pad/sleeve combination as is shown in Figures 1 and 5. An air supply means, such as a pump or pressurized tank, is provided to alternately inflate and deflate the turning bladders 14 to rock the patient back and forth to provide pressure relief (column 4, lines 21 to 58).

Art Unit: 3673

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 7, 14 to 19, and 23 to 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaw (6,154,900). While the material used to make the body pad 32 of the Shaw device is not specified, the examiner takes notice that it is very well known in the art to make body supporting pads from a variety of material such as foam, fibers, gels, and air filled bladders similar to the bladders 14. Because of this it would have been obvious to the skilled artisan to have made the body pad 32 of the Shaw device as an air filled bladder, this being one of only several equivalent methods of making such as pad. In addition the various means for inflating and deflating air bladders specified in claims 14 to 19 and 23 to 25 are well known in the art, and since Shaw states in column 4 lines 21 to 35 that any well known means can be used to inflate and deflate the air bladders in an alternate fashion the skilled artisan would have been free to use any means well known in the art, such as a vacuum pump or use of an electrical air pump, for inflating and deflating the air bladders 14 of the Shaw device.

***Allowable Subject Matter***

Claims 5, 9-12, 20, 21, and 27 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.


*Conclusion*

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hart, Flick, Rechin et al, Weismiller et al, Bartlett et al, and Wu show inflatable patient rotating supports that are of particular interest.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Trettel whose telephone number is 703-308-0416. The examiner can normally be reached on Monday, Tuesday, Thursday, or Friday from 7.30 am to 5.00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Shackelford, can be reached on (703) 308-2978. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1113.

  
Michael Trettel  
Primary Examiner  
Art Unit 3673